

GenCore version 5.1.4.p5_4578
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OM protein - protein search, using sw model

Run on: May 11, 2003, 02:11:38 ; Search time 39 Seconds
(without alignments)
254.840 Million cell updates/sec

Title: US-09-914-324A-1

Perfect score: 616
Sequence: 1 MAAMADVTPSGTNSGAGKK.....KTRQVCPDNRNEMFQKXGH 108

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 349150 seqs, 92025710 residues

Total number of hits satisfying chosen parameters: 349150

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*

1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/PC1_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|--------------------|--------------------|
| 1 | 616 | 100.0 | 108 | US-09-826-312-6 | Sequence 6, Appli |
| 2 | 292 | 47.4 | 118 | US-09-764-864-826 | Sequence 826, App |
| 3 | 292 | 47.4 | 131 | US-09-764-864-1285 | Sequence 1285, Ap |
| 4 | 287 | 46.6 | 113 | US-09-826-312-8 | Sequence 8, Appli |
| 5 | 213 | 34.6 | 88 | US-10-102-806-620 | Sequence 620, App |
| 6 | 213 | 34.6 | 105 | US-09-764-864-1274 | Sequence 1274, Ap |
| 7 | 210 | 34.1 | 124 | US-09-764-864-1284 | Sequence 1284, Ap |
| 8 | 202 | 32.8 | 84 | US-09-826-312-5 | Sequence 5, Appli |
| 9 | 185.5 | 30.1 | 121 | US-09-764-891-4639 | Sequence 4639, Ap |
| 10 | 185.5 | 30.1 | 121 | US-09-764-864-839 | Sequence 839, App |
| 11 | 185.5 | 30.1 | 121 | US-09-764-864-1294 | Sequence 1294, Ap |
| 12 | 87 | 14.1 | 201 | US-09-764-864-836 | Sequence 836, App |
| 13 | 86 | 14.0 | 126 | US-10-043-487-410 | Sequence 410, App |
| 14 | 86 | 14.0 | 199 | US-09-764-864-1291 | Sequence 1291, Ap |
| 15 | 85 | 13.8 | 664 | US-10-176-847-40 | Sequence 40, Appli |
| 16 | 85 | 13.8 | 664 | US-09-898-533-2 | Sequence 2, Appli |
| 17 | 83 | 13.5 | 104 | US-10-219-220-49 | Sequence 49, Appli |
| 18 | 83 | 13.5 | 206 | US-10-219-220-250 | Sequence 250, App |
| 19 | 83 | 13.5 | 337 | US-09-828-303-18 | Sequence 18, Appli |

| | | | | | | |
|----|------|------|------|----|--------------------|--------------------|
| 20 | 83 | 13.5 | 685 | 10 | US-09-745-763-11 | Sequence 11, Appli |
| 21 | 82 | 13.3 | 250 | 9 | US-10-219-220-249 | Sequence 249, App |
| 22 | 82 | 13.3 | 299 | 9 | US-10-219-220-251 | Sequence 251, App |
| 23 | 80 | 13.0 | 180 | 10 | US-09-840-787-48 | Sequence 48, Appli |
| 24 | 79.5 | 12.9 | 400 | 10 | US-09-935-380A-20 | Sequence 20, Appli |
| 25 | 79 | 12.8 | 259 | 9 | US-09-798-889-127 | Sequence 127, App |
| 26 | 79 | 12.8 | 296 | 10 | US-09-925-300-1231 | Sequence 1231, Ap |
| 27 | 79 | 12.8 | 381 | 9 | US-09-798-889-65 | Sequence 65, Appli |
| 28 | 76.5 | 12.4 | 165 | 10 | US-09-764-864-1306 | Sequence 1306, Ap |
| 29 | 76.5 | 12.4 | 225 | 10 | US-09-764-864-850 | Sequence 850, App |
| 30 | 76.5 | 12.4 | 317 | 9 | US-10-013-477-15 | Sequence 15, Appli |
| 31 | 76 | 12.3 | 1302 | 12 | US-10-000-864-2 | Sequence 2, Appli |
| 32 | 76 | 12.3 | 1493 | 10 | US-09-858-754-3 | Sequence 3, Appli |
| 33 | 76 | 12.3 | 1493 | 10 | US-09-858-754-4 | Sequence 4, Appli |
| 34 | 76 | 12.3 | 1493 | 12 | US-10-000-864-8 | Sequence 8, Appli |
| 35 | 75.5 | 12.3 | 147 | 10 | US-09-764-864-1272 | Sequence 1272, Ap |
| 36 | 75 | 12.2 | 124 | 10 | US-09-764-864-803 | Sequence 803, App |
| 37 | 75 | 12.2 | 124 | 10 | US-09-764-864-1264 | Sequence 1264, Ap |
| 38 | 74.5 | 12.1 | 322 | 10 | US-09-983-531A-10 | Sequence 10, Appli |
| 39 | 74.5 | 12.1 | 825 | 9 | US-10-121-988-161 | Sequence 161, App |
| 40 | 74.5 | 12.1 | 826 | 9 | US-10-121-988-47 | Sequence 47, Appli |
| 41 | 74.5 | 12.1 | 826 | 10 | US-09-894-998-47 | Sequence 47, Appli |
| 42 | 72.5 | 11.8 | 276 | 10 | US-09-935-380A-35 | Sequence 35, Appli |
| 43 | 72 | 11.7 | 123 | 10 | US-09-925-300-1271 | Sequence 1271, Ap |
| 44 | 71 | 11.5 | 82 | 10 | US-09-764-864-1283 | Sequence 1283, Ap |
| 45 | 71 | 11.5 | 199 | 9 | US-10-219-220-46 | Sequence 46, Appli |

ALIGNMENTS

RESULT 1
US-09-826-312-6
Sequence 6, Application US/09826312
Patent No. US20020042083A1
GENERAL INFORMATION:
APPLICANT: Issakani, Sarkiz D.
APPLICANT: Huang, Jianing
APPLICANT: Sheung, Julie
APPLICANT: Pray, Todd R.
TITLE OF INVENTION: UBIQUITIN LIGASE ASSAY
FILE REFERENCE: A-68613-1/RMS/JJD
CURRENT APPLICATION NUMBER: US/09/826, 312
CURRENT FILING DATE: 2001-04-03
PRIORITY APPLICATION NUMBER: US 09/542,497
PRIORITY FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6
LENGTH: 108
TYPE: PRT
ORGANISM: Homo sapiens
US-09-826-312-6
Query Match 100.0%; Score 616; DB 10; Length 108;
Best local similarity 100.0%; Pred. No. 1,6e-60;
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MAAMADVTPSGTNSGAGKKREVKRWNAVALMADIYVNDCAICRNHIMDLICICQANO 60
DB 1 MAAMADVTPSGTNSGAGKKREVKRWNAVALMADIYVNDCAICRNHIMDLICICQANO 60
QY 61 ASATSECVAMGVCHAHFHCHISWLTROVCPDNRNEMFQKXGH 108
DB 61 ASATSECVAMGVCHAHFHCHISWLTROVCPDNRNEMFQKXGH 108
RESULT 2
US-09-764-864-826
Sequence 826, Application US/09764864
Patent No. US20020137753A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.

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? TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
? FILE REFERENCE: PT23
? CURRENT APPLICATION NUMBER: US/09/764, 864
? PRIOR FILING DATE: 2001-01-17
? Prior application data removed - consult PALM or file wrapper
? NUMBER OF SEQ ID NOS: 1792
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 826
? LENGTH: 118
? TYPE: prt
? ORGANISM: Homo sapiens
? US-09-764-864-826

```

| | Query Match | Similarity | Score | DB | Length |
|------------|-------------|--------------|-------|------------|--------|
| Best Local | 49% | 50.5% | 292 | 10 | 118 |
| Matches | 49 | Conservative | 14 | Mismatches | 30 |
| | | | | Indels | 4 |
| | | | | Gaps | 2 |

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RESULT 3
US-09-764-864-1285
; Sequence 1285, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; PRIORITY FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1285
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (11)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-764-864-1285

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| | Query Match | 47.4% | Score 292 | DB 10 | Length 131 |
|----|-----------------------|---|-------------------|----------|------------|
| | Best Local Similarity | 50.5% | Pred. No. 8.5e-25 | | |
| | Matches 49 | Conservative 14 | Mismatches 30 | Indels 4 | Gaps 2 |
| QY | 11 | SGTNGAGCKKREYVKMNAVALMADIVYDNCATCRNHIMDCICEQANQASATSECTV 70 | | | |
| DB | 38 | SGSKSG-GDKMPSLKKMNAVAAMSWDECDTCAICRVOYMDACLRQAE--KQEDCVV 93 | | | |
| QY | 71 | AMGVCNHAFFHCISRWLKTROVCPDLNREMEFOKYG 107 | | | |
| DB | 94 | VMGECNHSFHNCSMLWAKQNNRCPLCODVWVQIRG 130 | | | |

US-09-826-312-8
RESULT 4
Sequence 8, Application US/09826312
Patent No. US20020042083A1
GENERAL INFORMATION:
APPLICANT: Issakani, Sarkiz D.
APPLICANT: Huang, Jianting
APPLICANT: Sheung, Julie
APPLICANT: Pray, Todd R.
TITLE OR INVENTION: UBIQUITIN LIGASE ASSAY
FILE REFERENCE: A-68613-1/RMS/JJD

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: CURRENT APPLICATION NUMBER: US/09/826,312
:
: CURRENT FILING DATE: 2001-04-03
:
: PRIOR APPLICATION NUMBER: US 09/542,497
:
: PRIOR FILING DATE: 2000-04-03
:
: NUMBER OF SEQ ID NOS: 17
:
: SOFTWARE: PatentIn version 3.1
:
: SEQ ID NO 8
:
: LENGTH: 113
:
: TYPE: PRT
:
: ORGANISM: Homo sapiens
:
: US-09-826-312-8

```

[illegible]

```

RESULT 5
US-10-102-806-620
: Sequence 620, Application US/10102806
: Publication No. US20030054421A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
: FILE REFERENCE: PA103P1C1
: CURRENT APPLICATION NUMBER: US/10/102,806
: PRIOR FILING DATE: 2002-03-22
: PRIOR APPLICATION NUMBER: 09/925,298
: PRIOR FILING DATE: 2001-08-10
: PRIOR APPLICATION NUMBER: PCT/US00/05861
: PRIOR FILING DATE: 2000-03-08
: PRIOR APPLICATION NUMBER: 60/124,270
: PRIOR FILING DATE: 1999-03-12
: NUMBER OF SEQ ID NOS: 846
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 620
: LENGTH: 88
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-10-102-806-620

```

| | | | | |
|-----------------------|-------|---|--------|----------------|
| Query Match | 34.6% | Score 213; | DB 9; | Length 88; |
| Best Local Similarity | 36.6% | Pred. No. 2.7e-16; | | |
| Matches | 34; | Conservative | 18; | Mismatches 33; |
| | | | Indels | 8; |
| | | | Gaps | 2; |
| QY | 16 | GAGKRRFEVKKNNVAVLAWMDIVDYNCAICRHHINDICIEQCANQASATSECTYAVMGVC | 75 | |
| DB | 1 | GSAAKKVATICKNGVATILMWANDEKCGICIAKNAFGCCPDCK-----VFGDDCPLYMGQC | 55 | |
| QY | 76 | NHAFHFCISRWLTKTRY--CPDLDNREWEFOK | 105 | |
| DB | 56 | SHCFHMCILTKVLAHQVOVQOHCPCMRORWKEKE | 88 | |

```

RESULT 6
US-09-764-864-1274
: Sequence: 1274, Application US/09764864
: Patent No. US20020132753A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: P1223
: CURRENT APPLICATION NUMBER: US/09/764, 864
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consult PALM or file wrapper

```

```

? NUMBER OF SEQ ID NOS: 1792
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 1274
? LENGTH: 105
? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: SITE
? LOCATION: (89)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
? NAME/KEY: SITE
? LOCATION: (90)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
? NAME/KEY: SITE
? LOCATION: (94)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
? NAME/KEY: SITE
? LOCATION: (96)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
? NAME/KEY: SITE
? LOCATION: (98)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
? OS-09-764-864-1274

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| | | | | |
|-----------------------|------------------|--------------------|-----------|-------------|
| Query Match | 34.68; | Score 213; | DB 10; | Length 105; |
| Best Local Similarity | 36.68; | Pred. NO. 3.3e-16; | | |
| Matches 34; | Conservative 18; | Mismatches 33; | Indels 8; | Gaps 2 |

Oy 16 GAGKRRFEYKKWNAVALMAMDIYVDNCAICRNHIMDLCTIECQANQASATSEECTIYWGVG 75
| : : : | | | | : : : | : : : |
Db 1 GSAAAKVKIKCMNGVATWLTVANDENGCIKRMAFNGCCPPDCK -----VPGDCLPLVMGGC 55

```
QY 76 NHAHFHCISRWLKTROV--CPIDNREWEFOK 105
   :| | | | :| | | | :| | | | :| | | |
Db 56 SHCFHMCILKWLHAQOVQDHCPRQDEWKFE 88
```

RESULT 7
US-09-764-864-1284

Patent No. US20020132753A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 FILE REFERENCE: P7123
 CURRENT APPLICATION NUMBER: US/09/764,864
 CURRENT FILING DATE: 2001-01-17
 Prior application data removed - consult PALM or file wrapper
 NUMBER OF SEQ ID NOS: 1792
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1284

ORGANISM: Homo sapiens
US-09-764-864-1284

| | | | | |
|-----------------------|------------------|--------------------|------------|-------------|
| Query Match | 34.1%; | Score 210; | DB 10; | Length 124; |
| Best Local Similarity | 35.3%; | Pred. No. 8.4e-16; | | |
| Matches 36; | Conservative 19; | Mismatches 37; | Indels 10; | Gaps 3 |

QY 9 TPSCGTSG--AGKKREVKKKWNAVALMAMDIVDNCIAICRNHIMDLCECQANASATSE 66
|| : : ::||| ||| : ||| :
Db 28 TPALPTEGRASAAAMKVKIKCWNQVATWLMVANDENCICRMAFNGCCPDC - - - - - VPGD 82

```
QY      67 ECTVAMGVCNHAFFHCISRWLKTRV--CPLDNREWEFQK 105
        :|: |||: |||||: ||| |:: |:|:|:|:
Db      83 DCPPLWVGQCShCFHMCILKLNLHAQGVQDHCPCMRQEWKFKE 124
```

RESULT 8
US-09-826-312-5
; Sequence 5, Application US/09826312
; Patent No. US20020042083A1

```

1  GENERAL INFORMATION:
2  APPLICANT: Issakani, Sarkiz D.
3  APPLICANT: Huang, Jining
4  APPLICANT: Sheung, Julie
5  APPLICANT: Pray, Todd R.
6  TITLE OF INVENTION: UBIQUITIN LIGASE ASSAY
7  FILE REFERENCE: A-68613-1/RMS/JJD
8  CURRENT APPLICATION NUMBER: US/09/826,312
9  CURRENT FILING DATE: 2001-04-03
10 PRIOR APPLICATION NUMBER: US 09/542,497
11 PRIOR FILING DATE: 2000-04-03
12 NUMBER OF SEQ ID NOS: 17
13 SOFTWARE: PatentIn version 3.1
14 SEQ ID NO 5
15     LENGTH: 84
16     TYPE: PRT
17     ORGANISM: Homo sapiens
18     OS-09-826-312-5

```

| | | | | |
|--------------------------|-------|--------------------|-----------|------------|
| Query Match | 32.8% | Score 202; | DB 10; | Length 84; |
| Best Local Similarity | 36.4% | Pred. No. 4.2e-15; | | |
| Matches 32; Conservative | 17; | Mismatches 31; | Indels 8; | Gaps 2; |

```

QY      21 REFYKKNAAVALMAMDIYVDNCALICRNHTMDLCIEQANQASATSEECYVAMGYCNHAFH 80
      : : : | | | : : : : : : : : : :
Db      2 KVKICMNGVATWTLVANDENGCLICRMAFNGCCPDC-----VPGDDCELVMGQCSHCFF 56

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```
QY      81 FHCISRWLKTROY--CPLDNREWEFÖK 105  
        |||::|||::|::|::|::|:  
Db      57 MHCILKWLEHAQQVGDHCSMCRQTWKFE 84
```

RESULT 9
US-09-764-891-4639

```

sequence 4035, application 05/09/048521
Publication No. US20030007808A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC006
CURRENT APPLICATION NUMBER: US/09/764, 891
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 10231
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4639
LENGTH: 121

```

```

; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE

```

```

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
;
; NAME/KEY: SITE
;
; LOCATION: (101)

```

```

; NAME/KEY: SITE
; LOCATION: (106)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

```

| | | | | |
|-----------------------|-------|--------------------|-------|-------------|
| Query Match | 30.1% | Score 185.5; | DB 9; | Length 121; |
| Best Local Similarity | 33.3% | Pred. No. 4.1e-13; | | |

```

0Y      10 PGSTNS-----GAGKKRFYKKNNAVALMWIDIVDNCACRNHIMDLCTECQANQ 60
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |

```

```

Qy      61 ASATSECTIVAMGVONAHAFHEHCISRLKTRVY--CPL 96
          :: : | | : | | | | : | | : | | :
Db      75 --VPGDCCPLVWVGQSCSHCFHHNCILKWLXGDOVXQHCPM 119

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RESULT 10
US-09-764-864-839
; Sequence 839, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 839
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (48)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (101)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (106)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-839

Query Match
Best Local Similarity 30.1%; Score 185.5; DB 10; Length 121;
Matches 33; Conservative 15; Mismatches 34; Indels 17; Gaps 3;

QY 10 PSGTNS-----GAGKKRFYVKMNAVALMAMDIYVDMCAICRNIMDLIECOANQ 60
Db 18 PAGAASAGGTORRAAGSAMKVKIKCNNGVXTWLVANDEMGICRMFNCCCPCK--- 74
QY 61 ASATSECTVAMGVCNNAHFHFCISRMLKTROV---CPL 96
Db 75 --VPGDDCPLVWGQCSHCFHMHCIKLWLXGOQVXOHCPM 111

RESULT 11
US-09-764-864-1294
; Sequence 1294, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1294
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (48)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (101)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (106)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-1294

Query Match
30.1%; Score 185.5; DB 10; Length 121;
```

```
Best Local Similarity 33.3%; Pred. No. 4.1e-13;
Matches 33; Conservative 15; Mismatches 34; Indels 17; Gaps 3;

QY 10 PSGTNS-----GAGKKRFYVKMNAVALMAMDIYVDMCAICRNIMDLIECOANQ 60
Db 18 PAGAASAGGTORRAAGSAMKVKIKCNNGVXTWLVANDEMGICRMFNCCCPCK--- 74
QY 61 ASATSECTVAMGVCNNAHFHFCISRMLKTROV---CPL 96
Db 75 --VPGDDCPLVWGQCSHCFHMHCIKLWLXGOQVXOHCPM 111

RESULT 12
US-09-764-864-836
; Sequence 836, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 836
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-864-836

Query Match
Best Local Similarity 14.1%; Score 87; DB 10; Length 201;
Matches 12; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

QY 75 CNHAFHFCISRMLKTROVGLDNR 99
Db 165 CSHEYHVAHCIDRWLSENSTCPICR 189

RESULT 13
US-10-043-487-410
; Sequence 410, Application US/10043487
; Publication No. US20030055220A1
; GENERAL INFORMATION:
; APPLICANT: HYBRIGENICS
; APPLICANT: Pierre, LEGRAIN
; TITLE OF INVENTION: Protein-protein interactions between Shigella flexneri polypep
; TITLE OF INVENTION: mammalian polypeptides
; FILE REFERENCE: B4778A
; CURRENT APPLICATION NUMBER: US/10/043,487
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/261,130
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 561
; SOFTWARE: Patentln version 3.1
; SEQ ID NO 410
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Shigella flexneri
US-10-043-487-410

Query Match
14.0%; Score 86; DB 9; Length 126;
Best Local Similarity 30.2%; Pred. No. 0.037;
Matches 19; Conservative 11; Mismatches 23; Indels 10; Gaps 2;

QY 43 AICRNHIMDLIECOANQASATSECTVAMGVCNNAHFHFCISRMLKTROVCPDNRWE 102
Db 66 AVSRNPCTLCLE-ERNHPATP-----CGHLFCWECTVAMGSSKACPCRCREKFP 115
QY 103 FOK 105
Db 116 FOK 118
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